

From boatanchors@theporch.com Sat Mar 4 22:29:52 1995
Date: Sat, 4 Mar 1995 19:47:42 -0600
Message-Id: <Pine.3.89.9503041718.A17423-01000000@netcom11>
From: paul Veltman <veltman@netcom.com>
Subject: 3/5/95 Livermore Flea Market

Hey Gang,
I cleaned out under the workbench today, and loaded the pile of stuff in the middle of the garage into the Suburban. I'm now ready to hold court at the Livermore Flea Market tomorrow. I've got the blue and grey suburban with the HF mobile whip in the back bumper. Come over any buy, buy, buy!

73

Paul WA6OKQ

From boatanchors@theporch.com Sat Mar 4 22:32:08 1995
Date: Sat, 4 Mar 1995 19:54:23 -0600
Message-Id: <199503050206.UAA20929@lia.bga.com>
From: Henry van Cleef <vancleef@bga.com>
Subject: Aligning the RME-45

I put the coil boxes back into my RME-45 after cleaning up the coils, rewinding one that someone had butchered, etc., and have been aligning the thing.

The oscillator tracking on bands 4 and 5 was wretched. I had replaced the padders (1700 pf. and 3900 pf.) for these bands with the values shown in the parts lists (and the values I took out---all of the padders were leaking electrically).

A little experimentation with the local oscillator plate voltage showed me that that the addition of an 0D3/VR-150, which this set didn't have originally, changed the tracking markedly. Replacing it with an 0C3/VR-105 and jumping the screen dropping resistors made the tracking much worse---too "tight" (i.e., too much oscillator change from low to high on any band). I suspect that RME changed the coils when they added the VR tube in production.

A little experimentation with the padders got the tracking fine with an 0D3 installed. The values that are "pretty close" are 1500 pf. on band 4 in place of 1700, and 2800 pf. on band 5 in place of 3900. Oddly enough, bands 3 and 6 are quite close without change.

I ended up using the little polystyrene caps in place of the original

micas. They seem to work fine.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sat Mar 4 20:54:58 1995
Date: Sat, 4 Mar 1995 14:15:24 -0600
Message-Id: <9503041423.aa10749@jackatak.theporch.com>
From: Fire Bottle archive handler <firebotl@jackatak.theporch.com>
Subject: Cave City (KY) BA Sightings...

Hey Gang-

I skipped my list maintenance duties this morning, and loaded a friend, KQ4TV, into the front seat of the mobile ham shack, and headed north to Cave City Kentucky for their 19th annual Hamfest.

It is a small affair, held in a "Convention Center" about the size of a basketball *court*... the tables were kinda "close" but we got there early (a tad after O'dark-thirty ;^) and roamed freely, in search of "benchmarks" for the BA list...

Sightings included:

For Warmly Padgett:

A plain Trans Oceanic in fair cosmetic shape	\$40.00
A very nice "Wave Magnet" T-0 in real nice shape, with the log and chart holder in the lid...	\$85.00

For the RME lovers:

RME 99 in OK shape with manuals -- no price listed, but... the guy with the T-0s was the seller and easy to find.

Eico 723/722 CW Xmit/VFO combo... pretty clean \$50.00 the pair

Drake:

TR4/MS4 very clean looking	\$375.00
R4A/T4X/AC4 w/manuals clean shape	\$300.00
R4B/T4X/MS4 clean	\$250.00
2CS/2C/2NT (no manuals) very clean condition	\$175.00

Hallicrafters:

HT-32 very clean, manual -- paired with SX-111 also very clean and nice cosmetically	\$225.00
--	----------

same guy had...

Ranger I very nice looking, with a shorting
problem under load... \$125.00 (sold)

Miscellaneous:

1940 Vol 3. "Radio Diagrams" (two copies) \$25.00 each
1941 Vol ? "radio Diagrams" \$25.00
several old 1922-30 radio magazines in fine shape

And...

The chuckle of the 'Fest...

I spotted a 250W Johnson Matchbox, and because a pal is searching for
a good tuner for a open-wire antenna, I ambled over to check it out.
Front was good, no major scratches, back had magic marker scrawls to
identify which terminal was for what... no manual... so I asked the
price, knowing I have a good photocopy at home.

Guy pointed to a card wedged under the Matchbox, which sat atop a
Nye-Viking Kilowatt tuner.

I looked down and rubbed my eyes. The tag read:

\$145.00

I asked if his pen had slipped and he really meant \$45.00

He was *NOT* amused...

I betcha he'll own that one for a while!! ;^)

--

73

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)

- - - BoatAnchor Mailing List Archiver/Owner - - -

firebot1@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

From boatanchors@theporch.com Sat Mar 4 20:46:04 1995

Date: Sat, 4 Mar 1995 13:52:04 -0600

Message-Id: <9503042006.AA18594@kahuna.math.hawaii.edu>

From: jeffrey@math.hawaii.edu (Jeffrey Herman)

Subject: Crystal Sets

There seems to be a rebirth of interest in building crystal sets:

TLJJ98A@prodigy.com writes:

>Wow, you guys are really creating old-time crystal radios? My
>Grandfather had a radio-making business during the depression. When I
>was about 10 years old (1964) my dad and I were given a few boxes of
>Grandpas old radio parts. My dad and I then made our own crystal radio,
>using the technique of poking a cat's whisker onto different parts of the
>crystal. We used only hand made stuff. It was wild and worked very well.
> Before he died, Grandpa gave me all his old electricity encyclopedia
>that he had bought in 1914 and it tells how to make everything that was
>known then, including a crystal radio. Up until Grandpa died (1993), he

>used a crystal radio he had build a few years before, as well as a modern-
>day CB radio. He even used to make his own batteries and tubes from
>scratch!
>
>Rick

I would very much like to have met Grampa. Imagine him building his own batteries and vacuum tubes? And still listening to a crystal set up until 1993?

The latest issue of Amateur Radio Trader magazine contains an ad about "The XTAL Set Society" newsletter. It has some *serious* homebrew articles in it, and they even publish the "Crystal Set Handbook".

The XTAL Set Society
P.O. Box 3026
St. Louis, MO 63130
314-725-1172

You get 6 bi-monthly newsletters for \$9.95.

I think I'll join!

Jeff NH6IL

From boatanchors@theporch.com Sat Mar 4 21:06:19 1995
Date: Sat, 4 Mar 1995 18:26:19 -0600
Message-Id: <950304193847_39396010@aol.com>
From: Scgilstrap@aol.com
Subject: d.c.c. wire

Hi all,

While looking thru some old QST (1930s and '40s) transmitter project articles I noticed that for some of the coils they call out d.c.c. and d.s.c. wire. E.g.: L1 - 14 turns No. 20 d.c.c. closewound, 1' diameter ...
or L3 - 27 turns No. 20 d.s.c. closewound, ... etc.

What is d.c.c. and d.s.c. wire? Is this terminology still used?

Tnx de Stan - WB5LBH

-

(p.s. With the vanity callsign business coming up it should be possible to request one's WPE call as their actual ham callsign. It fits the requirement for one: letter(s) number letter(s). Go for it!)

From boatanchors@theporch.com Sat Mar 4 22:24:19 1995
Date: Sat, 4 Mar 1995 19:42:24 -0600
Message-Id: <199503050156.TAA05283@zoom.bga.com>
From: Henry van Cleef <vancleef@bga.com>
Subject: Re: d.c.c. wire

As Scgilstrap@aol.com said

>
> Hi all,
>
> While looking thru some old QST (1930s and '40s) transmitter project
> articles I noticed that for some of the coils they call out d.c.c. and d.s.c.
> wire. E.g.: L1 - 14 turns No. 20 d.c.c. closewound, 1' diameter ...
> or L3 - 27 turns No. 20 d.s.c. closewound, ... etc.
>
> What is d.c.c. and d.s.c. wire? Is this terminology still used?
>
D.c.c = double cotton covered; d.s.c=double silk covered. This is
1930's terminology. The wire manufacturers use "served" in place of
"covered." Nylon-served wire was more commonly used in the the 1950's.

Not sure what you can get or use today. Purpose of the covering on
smaller wire is to give it enough friction to stand up with universal
winding. Probably a served wire is specified here because of voltage
developed across the coil.

--

Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sun Mar 5 00:18:39 1995
Date: Sat, 4 Mar 1995 21:20:54 -0600
Message-Id: <01HNR631NZDU8ZGDSX@delphi.com>
From: BOBFABRIS@delphi.com
Subject: FOOTHILL OFF-SALE

Any one going to Foothill who wants an SP 600 or Super Pro?
Email me on these strictly as-is units - they are ready to put on the end
of six fathoms of chain. The Sunnyvale dump is on the way home, but I
don't want them to end up in landfill. Bob

From boatanchors@theporch.com Sat Mar 4 15:50:56 1995
Date: Sat, 4 Mar 1995 12:58:09 -0600
Message-Id: <950304141224_39147976@aol.com>
From: JosephWP@aol.com
Subject: LS-3

Am looking for a LS-3 speaker to go with my BC-342.

Joseph Pinner +
Lafayette, LA
KC5IJD

From boatanchors@theporch.com Sat Mar 4 10:15:23 1995
Date: Sat, 4 Mar 1995 01:44:10 -0600
Message-Id: <199503040758.BAA21019@zoom.bga.com>
From: Henry van Cleef <vancleef@bga.com>
Subject: Old radio texts

The mention of "Mac's Service Shop" reminds me of articles in the old Radio News in the early-mid forties. My recollection is that this was the series that I read and learned all sorts of good things from.

I always felt a fondness for Ghirardi's "Radio Physics Course," which was **the** text in the local library that I could understand. I haven't looked at Ghirardi in maybe 45 years or so, and recently bought a copy from a book dealer---it's a little funny going back and looking at my "first primer," because Ghirardi's treatment of some things isn't the way I remember learning them. An old gentleman (with an 1896 Ph.D. in Physics) explained some of Terman's math to me, so I got into genuine EE texts when I was about 9. That stirred up a bit of flap with the local librarian, who phoned up my mother and insisted there was something wrong with her beamish boy who was attempting to borrow EE texts instead of Wizard of Oz and Tom Swift. I still have the 1940 Radiotron Designer's Handbook 3rd ed. which someone gave me around 1945---his name is in the book, but I don't remember who he was at all. I don't recall reading anything on how to **fix** radios, so Frye was a treat that I missed---though if he was the one who wrote the articles in Radio News, I remember soaking them up like wet sponge---and I had a subscription to that mag from 1942 until about 1952 ("Scientific American" also came my way---I wonder how many people know that "Scientific American" competed head on with "Popular Mechanics" until Gerard Piel bought it in 1948----I had a subscription until 1988).

I also remember the Tobe Deutschmann Browning 35 receiver that came my way after its original owner (and builder---it was a 1935 kit) was killed in the Battle of the Bulge. If you want a weird boatanchor, the Browning 35 was it. Triple-tuned IF's, with the third coil going nowhere except to resonate between the other two and provide some regenerative feedback. That set ended up with an 1851 RF amp feeding a 6K8 mixer, in place of the original 6D6 and 6A7; and got a pair of Meissner's very best IF's and a 6SG7 to work with them. With that setup, it would receive all the way up to the 22 Mhz. the coils would

tune to. Ghirardi, Terman, Langford Smith, and Samuel Seely all put together didn't explain those IF transformers. Of course, the purists are probably turning inside out hearing what I did to what has to be a rare radio today, and it was nicely put together---but it wasn't much of a radio before I "fixed" it----and considering what I didn't know about engineering, it wasn't much of one afterward, either. As I recall, putting all that gain in the RF and IF made it a set with three local oscillators, only one of which was intended to oscillate.

In retrospect, looking through the old texts trying to find some of the things I learned, I simply can't find them anywhere. A few of my old lecture notes from teaching in the early sixties have survived---makes me wonder if I shouldn't quit being an aviation historian for long enough to write something about what this was all about.

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Hank van Cleef vancleef@bga.com vancleef@tmn.com

From boatanchors@theporch.com Sat Mar 4 21:06:42 1995
Date: Sat, 4 Mar 1995 18:29:17 -0600
Message-Id: <9503042317.AA29297@internet1.lotus.com>
From: Richard DuFosse <Richard_DuFosse.LOTUS@crd.lotus.com>
Subject: Thanks to all . . .

. . . who responded to my HT44 question. Now that I know mine is behaving somewhat irrationally, I have a good list of suggestions on things to look at to bring it back to full health.

73, Richard, AA1EF

From boatanchors@theporch.com Sat Mar 4 22:16:09 1995
Date: Sat, 4 Mar 1995 19:35:21 -0600
Message-Id: <m0rl50C-0006W3C@next1.acme.ist.ucf.edu>
From: clarke@acme.ist.ucf.edu (Thomas Clarke)
Subject: Tube Life

After my little dissertation about the exponential life time model and how it doesn't apply to light bulbs, I realized that I have been thinking of tubes as following the exponential life model.

That is if I buy some old gear it is new to me, so any working tubes begin a 2000 hour (or whatever) exponential countdown for me the new owner.

Could this be true? The exponential life time can be derived by assuming that the object in question is immortal except for fatal accidents that are randomly distributed in time.

Are tubes immortal except for accidents of overload, or mis-manufacture, or burned out associated component? It would be nice if it were true. Then that new boatanchor you just brought home from the swap really would be new as far as you were concerned.

Tom Clarke
KE4VFH

From boatanchors@theporch.com Sat Mar 4 11:11:23 1995
Date: Sat, 4 Mar 1995 08:05:51 -0600
Message-Id: <199503041419.AA24933@cameron.geom.umn.edu>
From: "penson" <penson@geom.umn.edu>
Subject: Re: Vacuum Tube Computers

The only vacuum tube computers I have ever had any experience with are the little (?) Heathkit EC-1 analog computers. No "memory" per se, but fun to play with.

Chuck

From boatanchors@theporch.com Sat Mar 4 21:31:44 1995
Date: Sat, 4 Mar 1995 18:40:21 -0600
Message-Id: <950304183438_39347526@aol.com>
From: JosephWP@aol.com
Subject: Wanted: Tung Sol Tube Manual

I am looking for a tube manual published by Tung Sol to supplement those I have from RCA, GE and Sylvania. Need one that lists their industrial, transmitting and special purpose tubes.

Joseph Pinner +
Lafayette, LA
KC5IJD

From boatanchors@theporch.com Sat Mar 4 12:13:34 1995
Date: Sat, 4 Mar 1995 09:03:08 -0600
Message-Id: <Pine.SUN.3.91.950304100946.3581C-1000000@little-miami.iac.net>
From: Bill Strangfeld <bstrang@iac.net>
Subject: What's This Tube?

Got an odd brand-new tube in a box of odds and ends at an auction. It is probably Air Force surplus from Wright Patterson AFB. Label says JAN CRC 5819. It's 5" tall, 2" diameter. It has a flat top like a CRT but is not tapered. The base has 14 pins around the circumference and a center plastic pin like an octal tube, but larger. The internal structure has a barrel-shaped wire mesh structure that is perpendicular to the axis of the tube. Anyone know what this tube is for?

73 Bill WB8YUW

From boatanchors@theporch.com Sat Mar 4 12:53:51 1995
Date: Sat, 4 Mar 1995 09:59:25 -0600
Message-Id: <Pine.PCW.3.91.950304060254.9055A@pixiuser>
From: Dave Creek <dcreek@pixi.com>
Subject: Re: What's This Tube?

On Sat, 4 Mar 1995, Bill Strangfeld wrote:

> Date: Sat, 4 Mar 1995 09:03:08 -0600
> From: Bill Strangfeld <bstrang@iac.net>
> To: Multiple recipients of list <boatanchors@theporch.com>
> Subject: What's This Tube?
>
> Got an odd brand-new tube in a box of odds and ends at an auction. It is
> probably Air Force surplus from Wright Patterson AFB. Label says JAN CRC
> 5819. It's 5" tall, 2" diameter. It has a flat top like a CRT but is not
> tapered. The base has 14 pins around the circumference and a center
> plastic pin like an octal tube, but larger. The internal structure has a
> barrel-shaped wire mesh structure that is perpendicular to the axis of the
> tube. Anyone know what this tube is for?
>
> 73 Bill WB8YUW
>
> From the description it sounds like a photomultiplier tube. One use was
in scintillation counters for detecting alpha particles.

Dave Creek, NH6BA
Ewa Beach, HI

From boatanchors@theporch.com Sat Mar 4 12:09:54 1995
Date: Sat, 4 Mar 1995 08:51:11 -0600
Message-Id: <Pine.SUN.3.91.950304065250.27167B-1000000@coyote.rain.org>
From: "Ray L. Mote" <rmote@rain.org>
Subject: WW2 headsets/headbands

The WW2 HS-23/33/38 headsets all used the leather-covered headband called the HB-7. I'm looking for some of the headbands, and condition of the cordage and/or leather is unimportant. If you have a ratty-looking specimen taking up space in your garage/attic, I'd like to hear from you. As long as the metalwork is good, I'm interested. The sideplates just above the ears should have "HB-7" stamped in the inside surface.

If you have a "New Old Stock" headset in this series, I'd sure like to know what is printed on the box. Hope to compile a list of the various

manufacturers, and descriptions of the differences between their units.

Also have heard of a postwar plastic HB-7 headband made by Murdock.
Anybody have an example that they could photograph?

Reply to: rmote@rain.org (or call me at 805-985-6048).
Ray Mote, W6RIC, 3610 Oarfish Lane, Oxnard, CA 93035-1320.

From boatanchors@theporch.com Sat Mar 4 12:13:30 1995
Date: Sat, 4 Mar 1995 09:00:08 -0600
Message-Id: <Pine.SUN.3.91.950304070301.27167C-100000@coyote.rain.org>
From: "Ray L. Mote" <rmote@rain.org>
Subject: WW2 Navy Type Numbers

During WW2, the Navy had their own weird nomenclature system, featuring a two or three-letter "Model Number" for systems and a five-digit "Type Number" for system components. I have a 1600-page list of these Type Numbers dated Sept 1945, and will be glad to assist anyone needing help identifying an old component. (The guy who let me copy his original extracted a promise not to duplicate the document for others, but I _am_ allowed to answer questions.)

BTW: Barry at ER tells me that he hopes to publish my article on the three main WW2 nomenclature systems sometime this year. It runs about 13 pages, and that's a bit of a problem for a small magazine.

From boatanchors@theporch.com Sat Mar 4 12:27:10 1995
Date: Sat, 4 Mar 1995 09:22:44 -0600
Message-Id: <199503041535.HAA01972@ix3.ix.netcom.com>
From: jlockwd@ix.netcom.com (Jim Lockwood)
Subject: RE: Xistors, fad?

>Heavy negative feedback makes the amp unstable at low
>frequencies and most are borderline oscillators.

Well, I'm confused. In EE school, control system theory was one of my (many) weak areas, but I thought negative feedback tended to stabilize an amplifier.

And bad design or not, I'll take the sound of my SX-43 any day to the sound of a properly designed silicon-based amplifier.

Jim - km6nk/4